

REMARKS

Reconsideration and allowance of claims pending in the subject application are requested.

I. Status of Claims:

Claims 1-53 are pending in the subject application, and have been rejected in the subject Final Office Action, dated May 23, 2008, as follows:

A. The specification is objected to as failing to provide the proper antecedent for the claimed subject matter in claim 37 and related dependent claims.

B. Claims 1-5, 11-14, 16-23, 29-32 and 34-53 are rejected under 35 U.S.C. §103(a) as being unpatentable over Kammer et al. ("Bluetooth Application Developer's Guide) in view of Beck et al. (U.S. Patent No. 6,604,140).

C. Claims 6-10, 15, 24-28 and 33 are rejected under 35 U.S.C. §103(a) as being unpatentable over Kammer et al in view of Beck et al. and further in view of Howe (U.S. Publication No. 2005/0058149).

D. The Examiner has entered an Amendment under 37 CFR 1.116 filed July 23, 2008 responding to the indicated Paragraphs of the Final Office Action of May 23, 2008, after an Interview conducted July 31, 2008; A Written Statement of the Substance of the Interview, dated August 5, 2008, and an Advisory Action, dated September 4, 2008.

II. RCE Claim Summary:

Independent claims 1, 19, 37, 45, and 53 have been amended to describe an enhanced connection set-up for mobile devices in an ad hoc network via (1) middleware software installed in some or all of the devices in the network; (2) an inquiring ad hoc device establishing a connection with an ad hoc inquired device to determine whether or not an indication of middleware software is provided by the inquired device; (3) disconnect the connection when the inquired device does not provide an indication of middleware software; (4) create a connection when an inquired ad hoc device that provides an indication of middleware software; (5) confirm

the inquired device includes the middleware software by requesting information from the inquired device via a communication connection, and (6) upon confirmation execute the middleware software of the inquired device to perform application and service discovery.

The cited art Kammer and Beck, both of record, fail to disclose or suggest, alone or in combination, (1) modifying Bluetooth communication protocols to provide an indication of middleware software in an ad hoc device; (2) disconnecting a connection in the ad hoc network if an indication is not provided by an inquired device; (3) establishing a connection with an ad hoc device based on an indication of middleware software; (4) obtaining confirming information of middleware software in an inquired ad hoc device via a communication connection, and (5) executing the middleware software in the ad hoc inquired device to perform application and service discovery.

Applicants' ad hoc device detection and service discovery protocol will avoid excessive power consumption and allow an application resident in one device to automatically find a counterpart application or some other resource resident in any of the remaining devices within an ad hoc communications network using middleware software. The protocol does not require a human user to manually initiate device detection to find the counterpart application or other resource including middleware software.

CONCLUSION

Applicants have distinguished the claims and over come the cited art. Based on the foregoing amendments and remarks, Applicants respectfully request reconsideration and withdrawal of the rejection of claims and allowance of this application.

AUTHORIZATION

The Commissioner is hereby authorized to charge any additional fees which may be required for consideration of this Amendment to Deposit Account No. **13-4500**, Order No. 4208-4114US1.

In the event that an extension of time is required, or which may be required in addition to that requested in a petition for an extension of time, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No. **13-4500**, Order No. 4208-4114US1.

Respectfully submitted,
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